

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-184116  
 (43)Date of publication of application : 30.06.2000

(51)Int.CI. H04N 1/00  
 G01V 8/12  
 H03K 17/78  
 // G03G 21/00

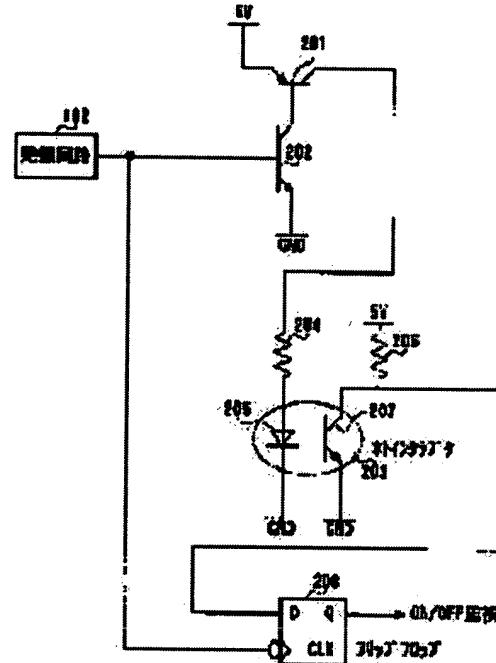
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## (54) STATE DETECTOR

### (57)Abstract:

PROBLEM TO BE SOLVED: To reduce the energy in various sensors with a simple configuration.

SOLUTION: An oscillation circuit 102 is used to cause a current to flow to a diode 205 in a photo interrupt sensor 203 at intervals of a prescribed time, and the turn-on/off state of the photo interrupt sensor 203 in this period is kept, and thus, the turn-on/off state of the photo interrupt sensor 203 is monitored.

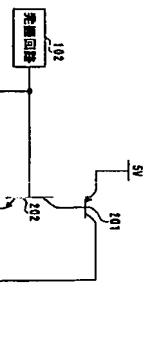


## LEGAL STATUS

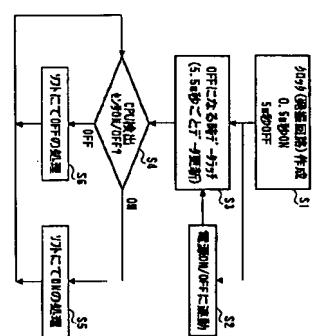




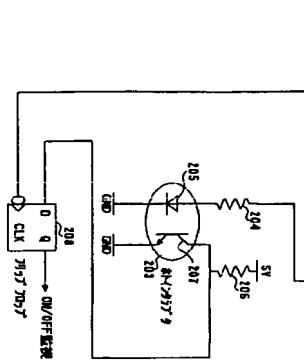
[图2]



4



[5]



The diagram shows a 5V power source connected to the positive terminal of a 10V zener diode. The negative terminal of the zener diode is connected to the positive terminal of a 100Ω resistor, which is connected to ground. The output voltage is 5V, indicated by a 5V label across the 100Ω resistor.